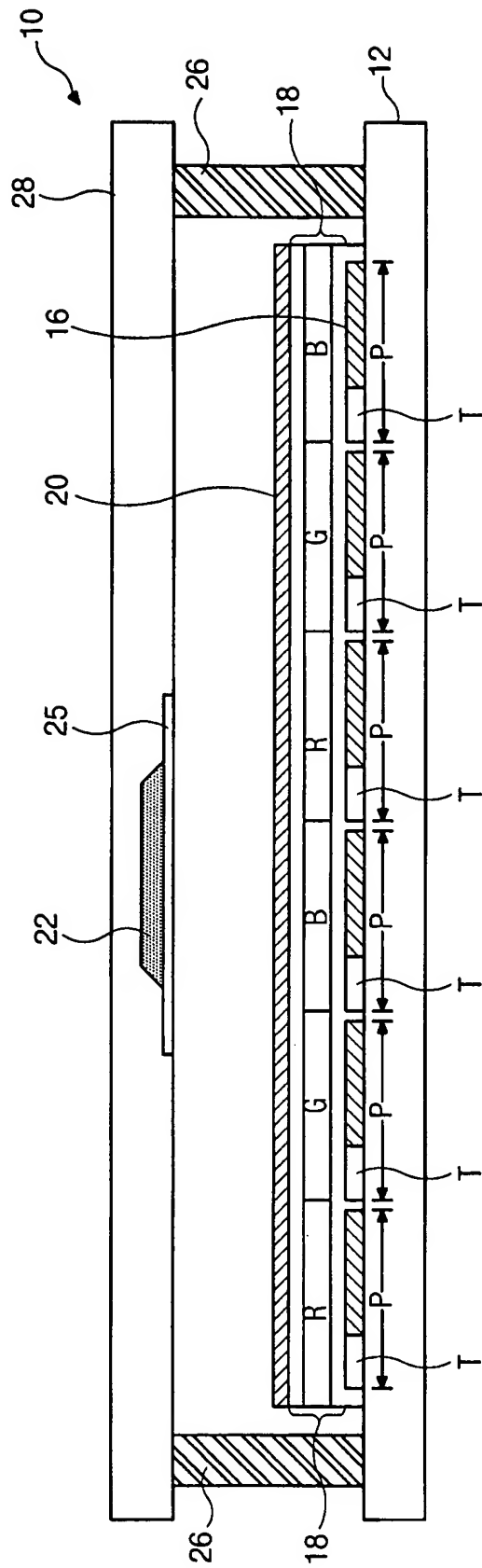
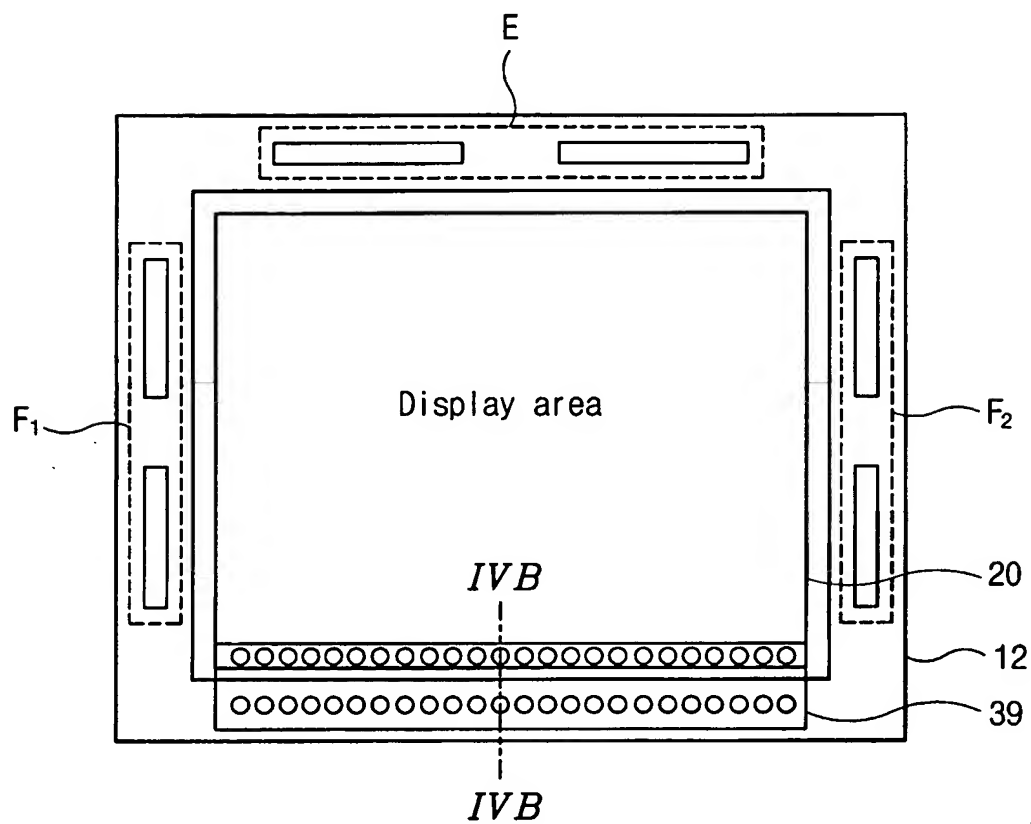


**FIG. 1**  
**RELATED ART**

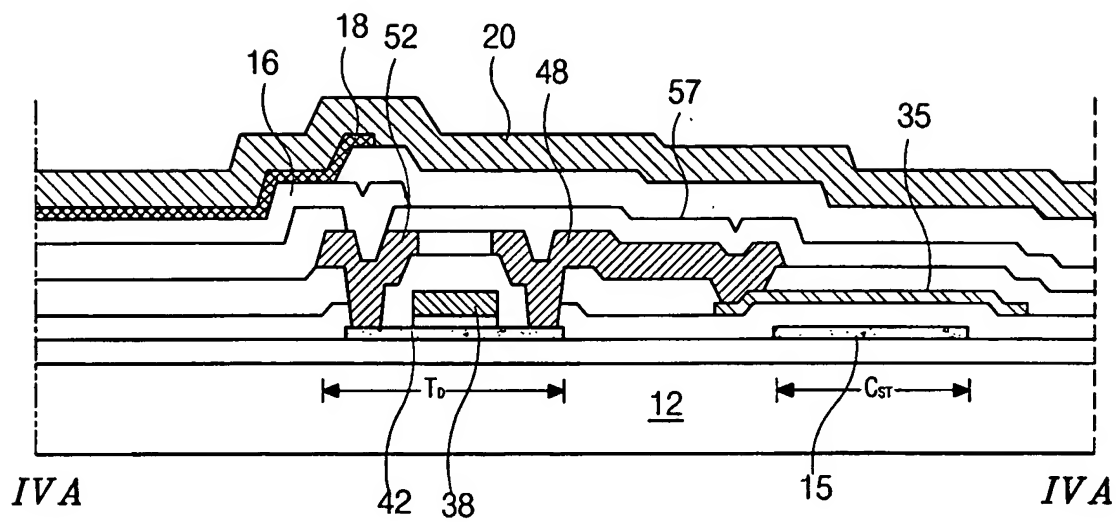


[illegible]

**FIG. 3**  
**RELATED ART**



**FIG. 4A**  
**RELATED ART**



**FIG. 4B**  
**RELATED ART**

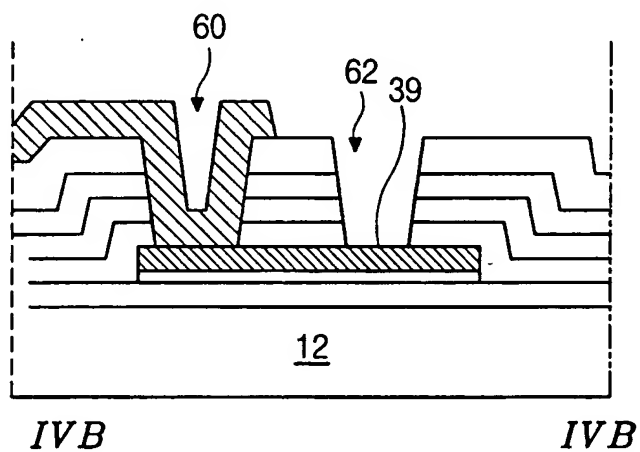
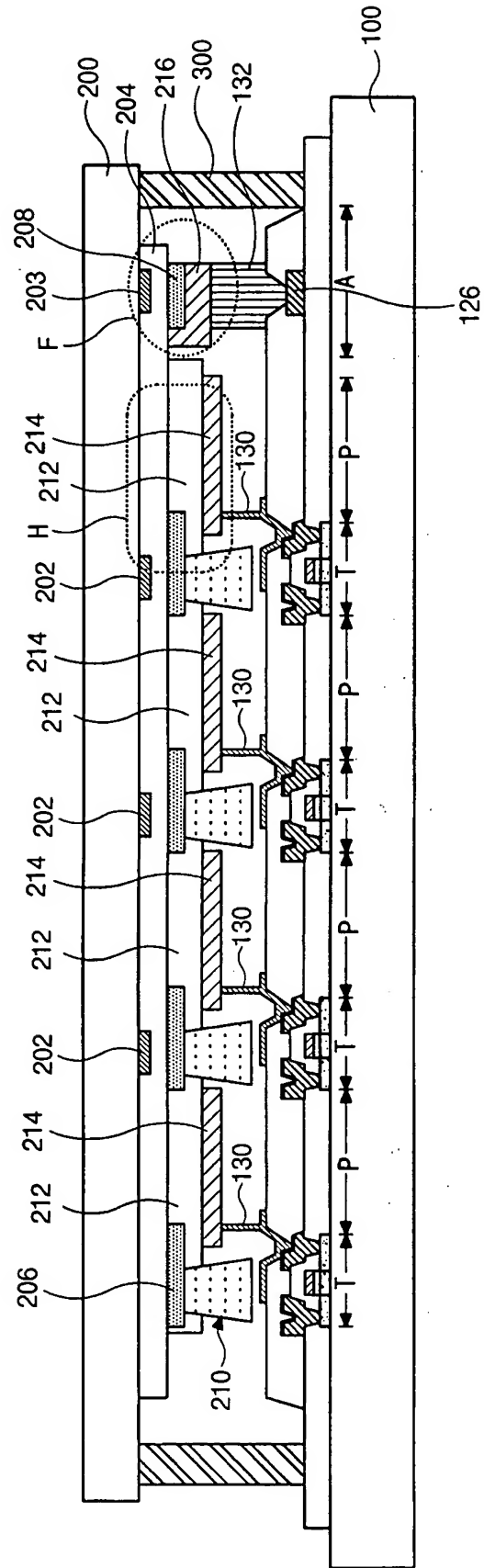
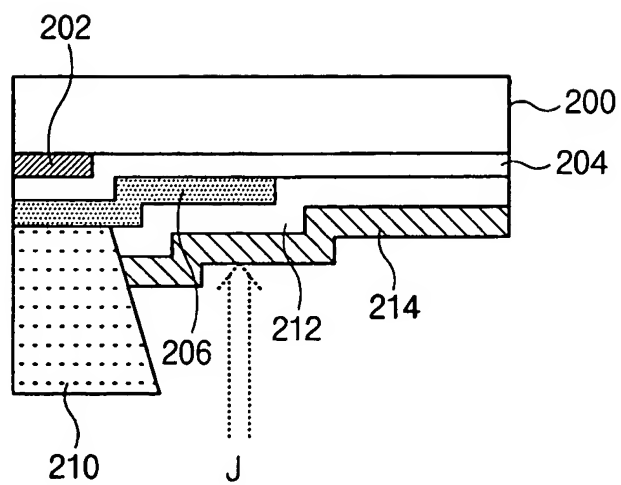


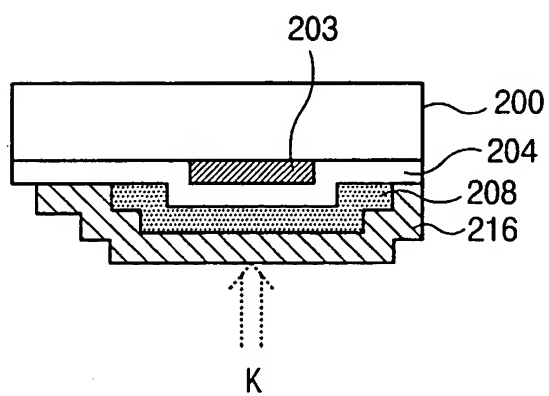
FIG. 5



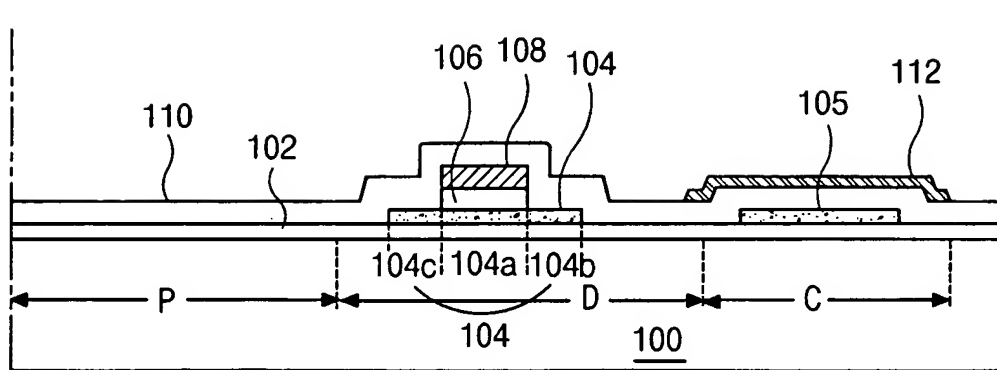
**FIG. 6A**



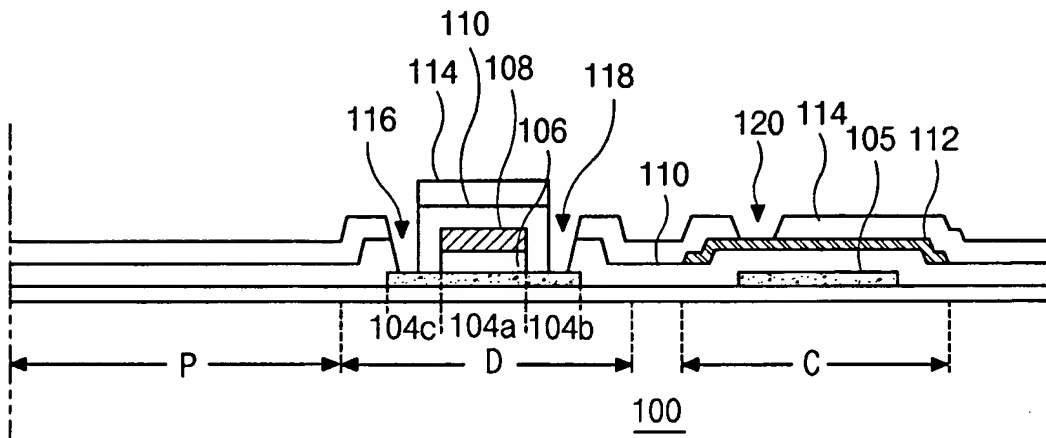
**FIG. 6B**



**FIG. 7A**



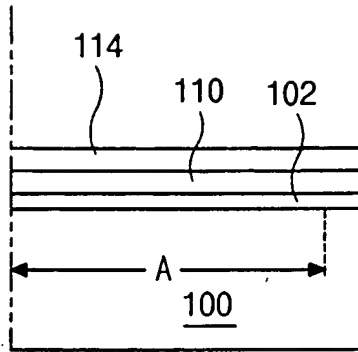
**FIG. 7B**



A cross-sectional view of a substrate 100. A thin layer 110 is disposed on the substrate 100. A thin film 102 is disposed on the thin layer 110. A dimension line A indicates the thickness of the thin layer 110.



**FIG. 8B**



**FIG. 8C**

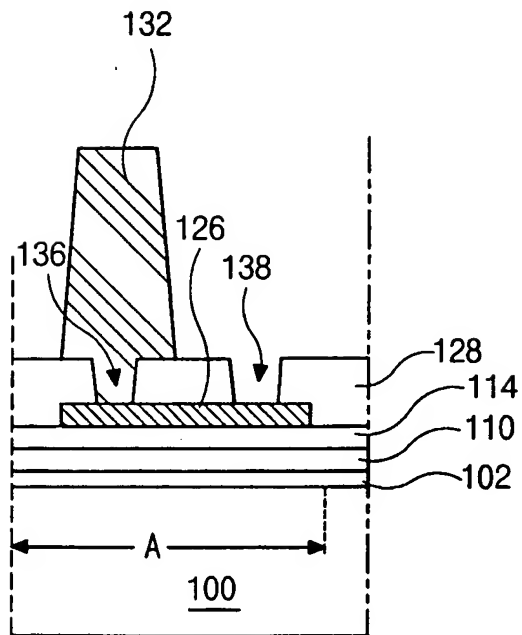


FIG. 9A

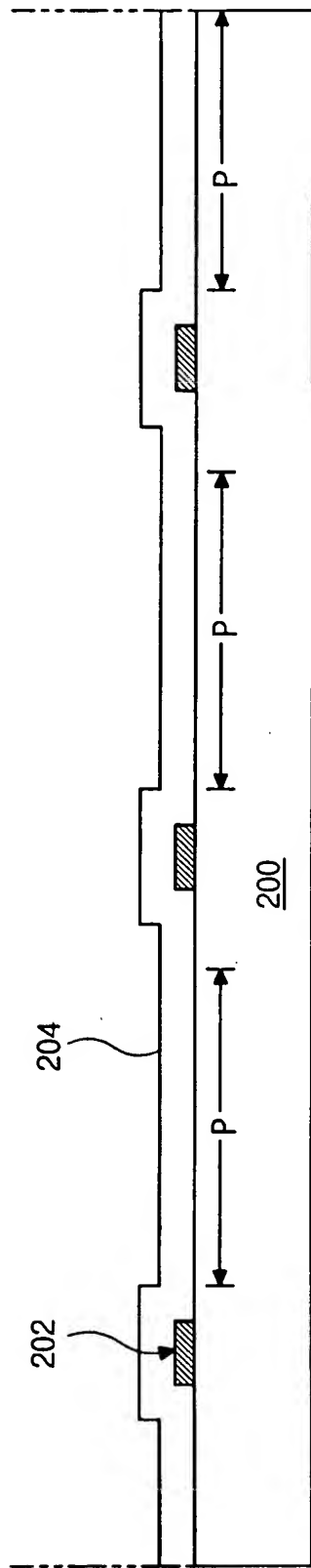


FIG. 9B

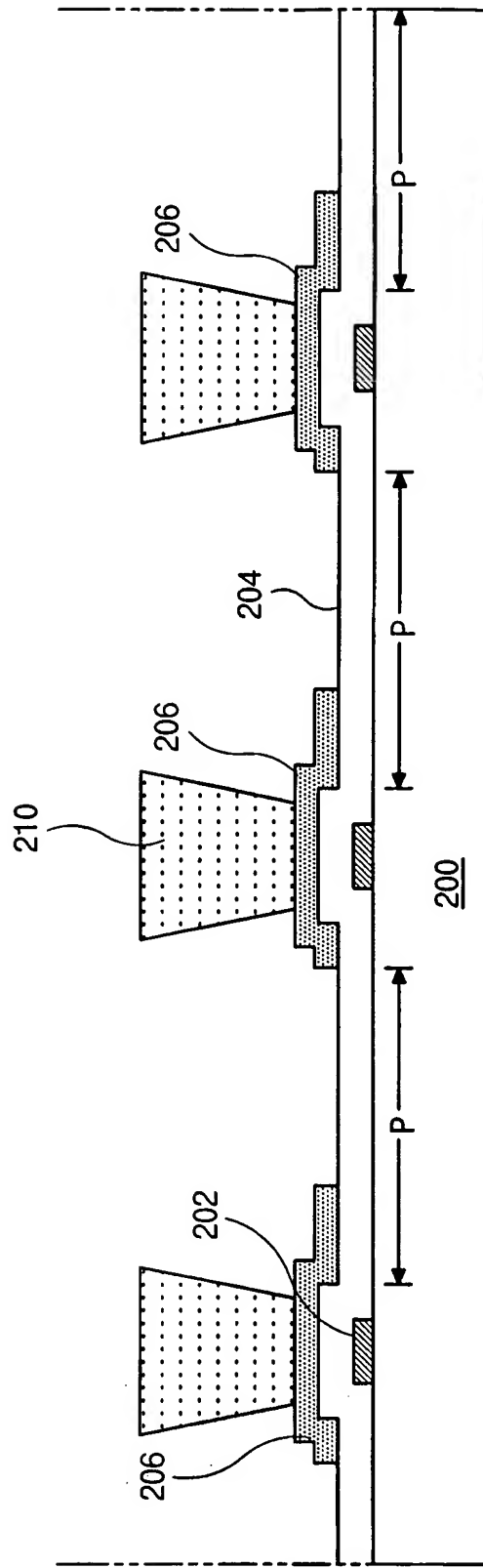


FIG. 9C

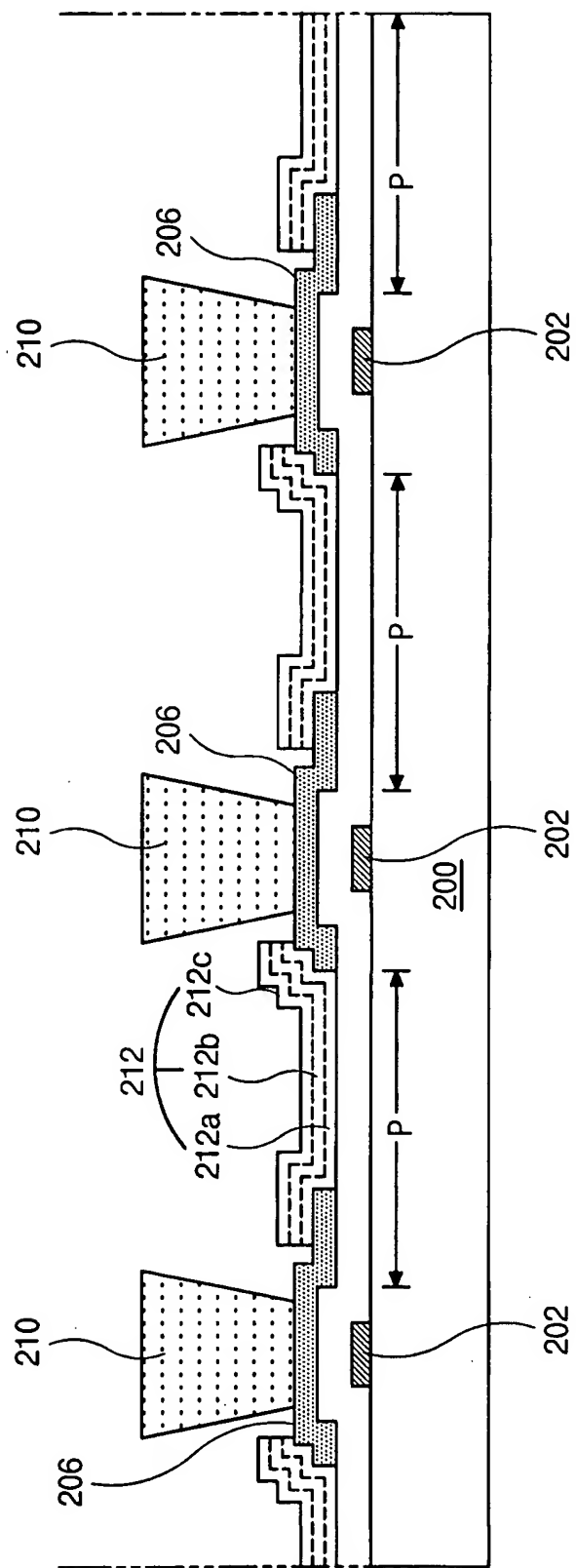




FIG. 10A

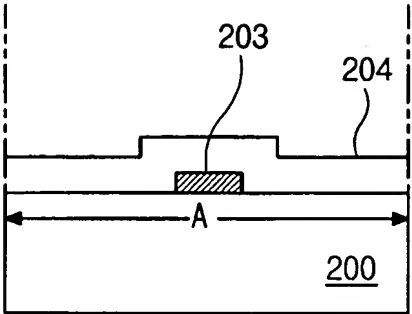
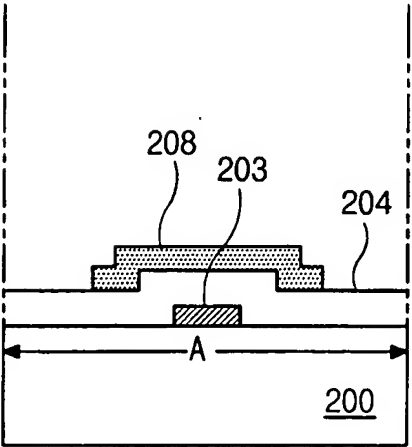
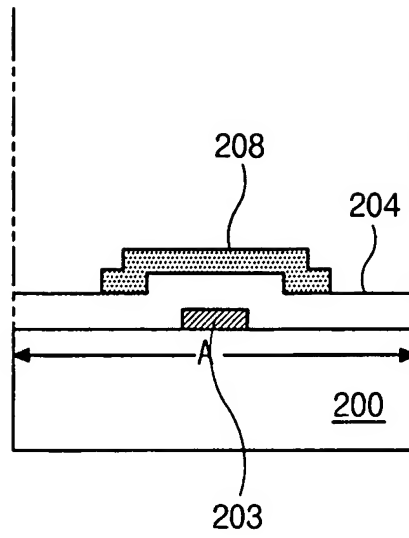


FIG. 10B



**FIG. 10C**



**FIG. 10D**

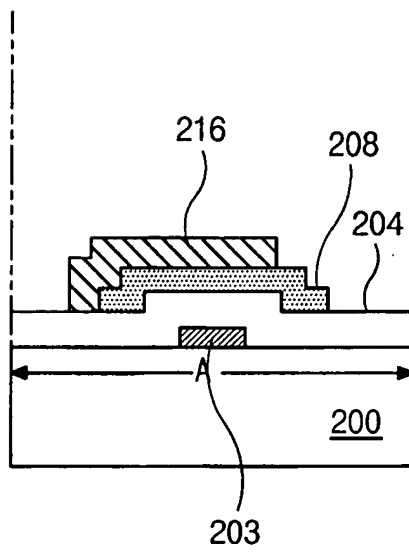


FIG. 11

